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Fig. 1A

(Background Art)

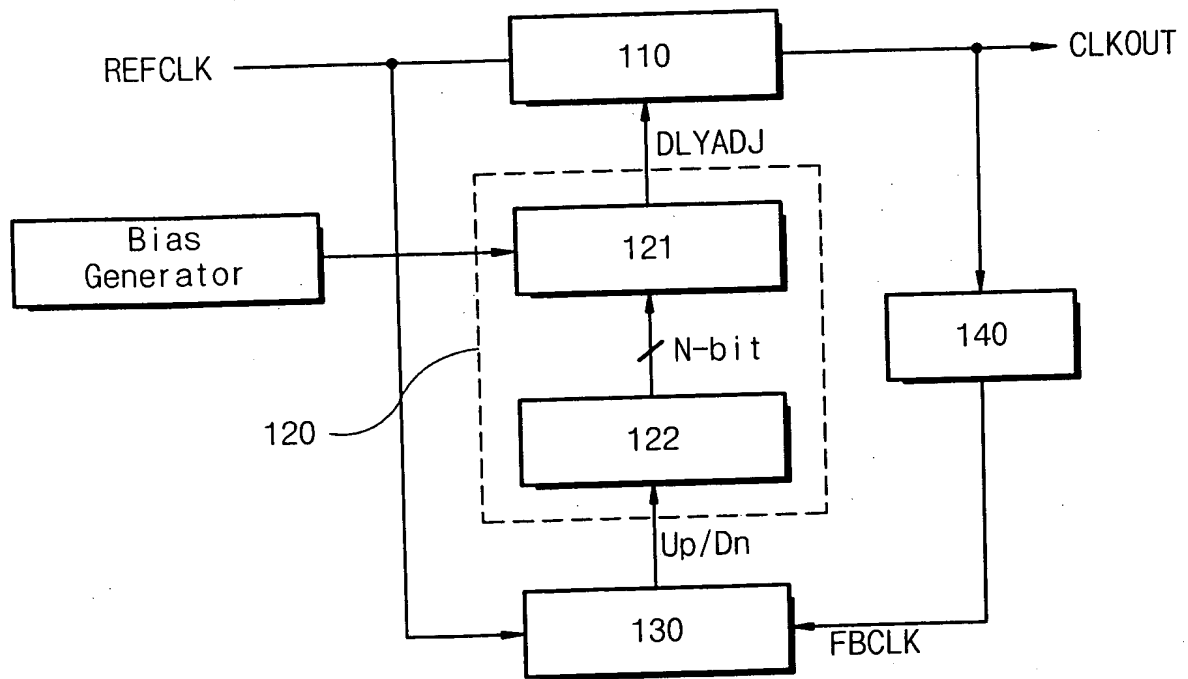


Fig. 1B

(Background Art)

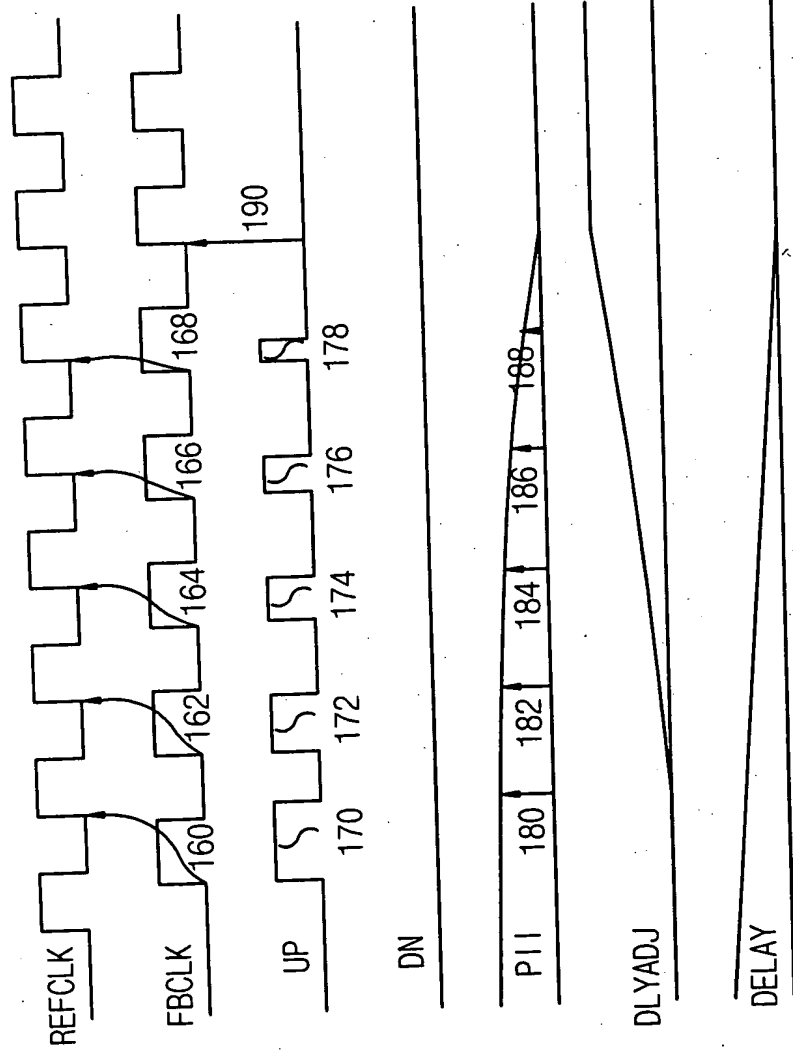


Fig. 2A

(Background Art)

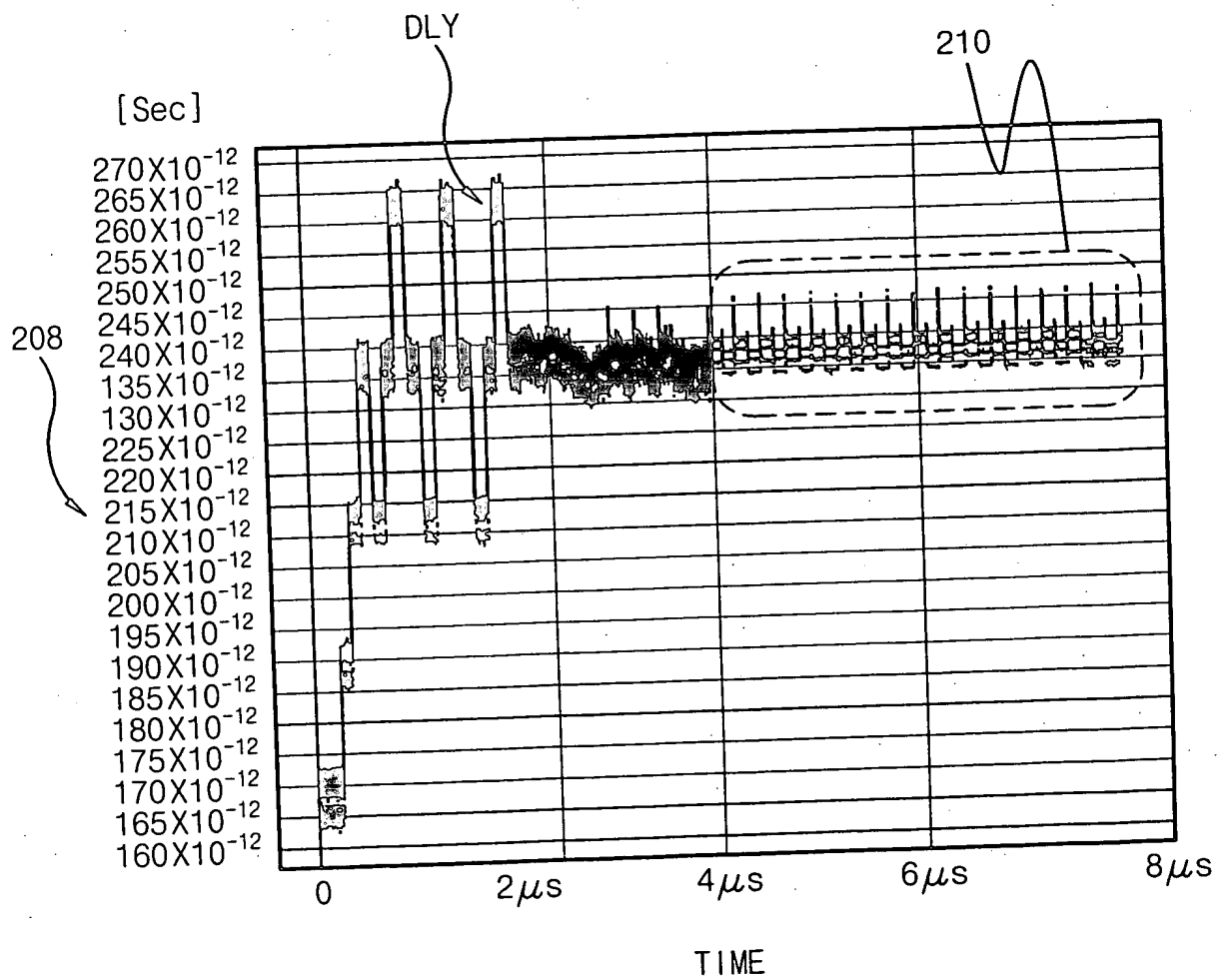


Fig. 2B

(Background Art)

DEC	Binary						LSB->
	<-MSB						
	B5	B4	B3	B2	B1	B0	
30 ₁₀	0	1	1	1	1	0	
31 ₁₀	0	1	1	1	1	1	
32 ₁₀	1	0	0	0	0	0	
33 ₁₀	1	0	0	0	0	1	
34 ₁₀	1	0	0	0	1	0	
33 ₁₀	1	0	0	0	0	1	
32 ₁₀	1	0	0	0	0	0	
31 ₁₀	0	1	1	1	1	1	
30 ₁₀	0	1	1	1	1	0	

Fig. 2C

(Background Art)

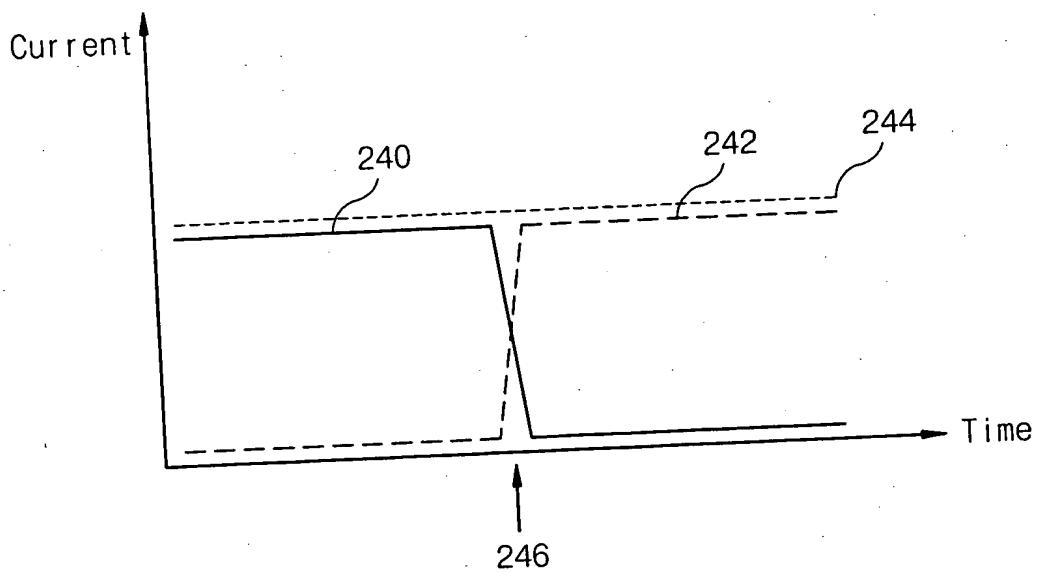


Fig. 2D

(Background Art)

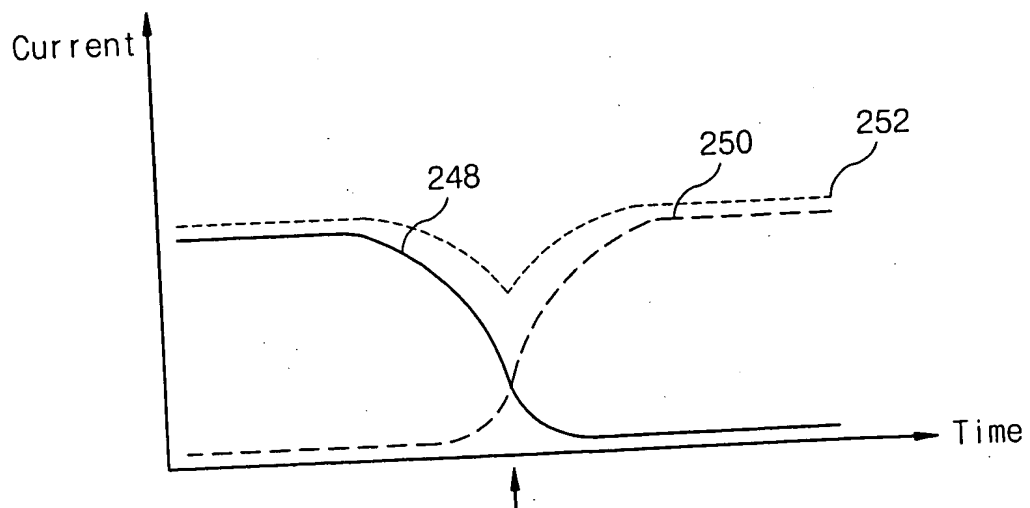


Fig. 3

(Background Art)

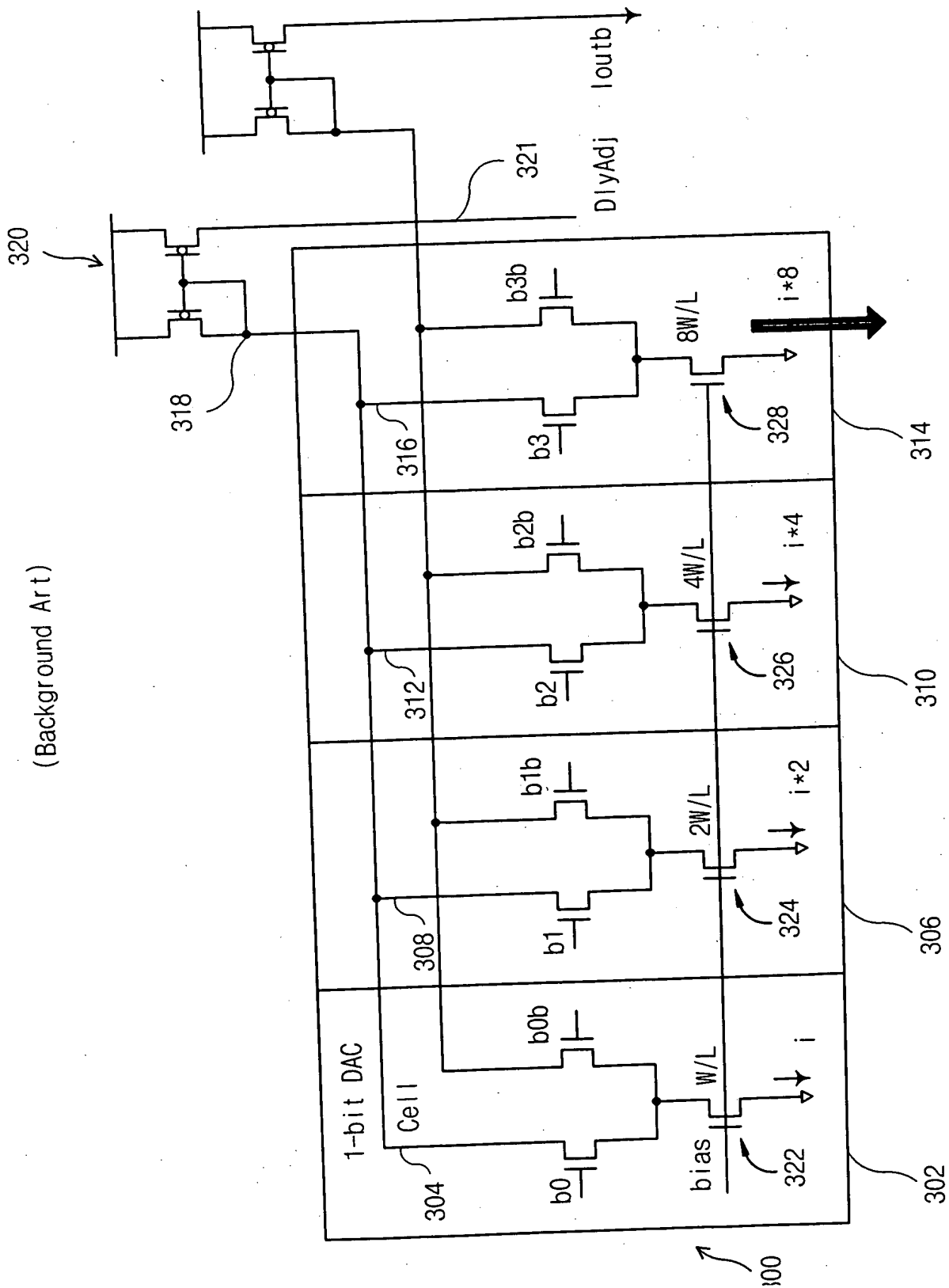


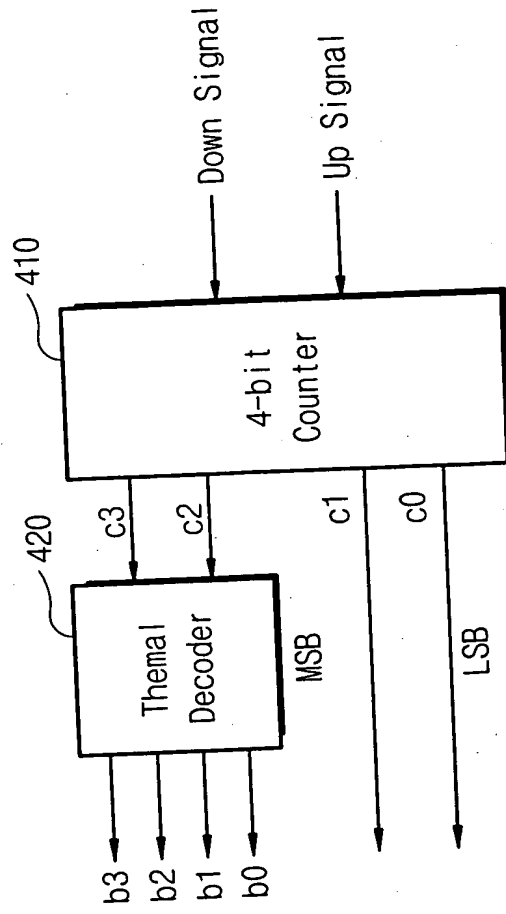
Fig. 4A

(Background Art)

					2_{10}	1_{10}
	4_{10}	4_{10}	4_{10}	4_{10}	2^1	2^0
DEC	b3	b2	b1	b0	C1	C0
0	0	0	0	0	0	0
1	0	0	0	0	0	1
2	0	0	0	0	1	0
3	0	0	0	0	1	1
4	0	0	0	1	0	0
5	0	0	0	1	0	1
6	0	0	0	1	1	0
7	0	0	0	1	1	1
8	0	0	1	1	0	0
9	0	0	1	1	0	1
10	0	0	1	1	1	0
11	0	0	1	1	1	1
12	0	1	1	1	0	0
13	0	1	1	1	0	1
14	0	1	1	1	1	0
15	0	1	1	1	1	1
16	1	1	1	1	0	0
17	1	1	1	1	0	1
18	1	1	1	1	1	0
19	1	1	1	1	1	1

Fig. 4B

(Background Art)



c3	c2	b0	b1	b2	b3
0	0	0	0	0	0
0	1	1	0	0	0
1	0	1	1	0	0
1	1	1	1	1	0

Fig. 4C

430

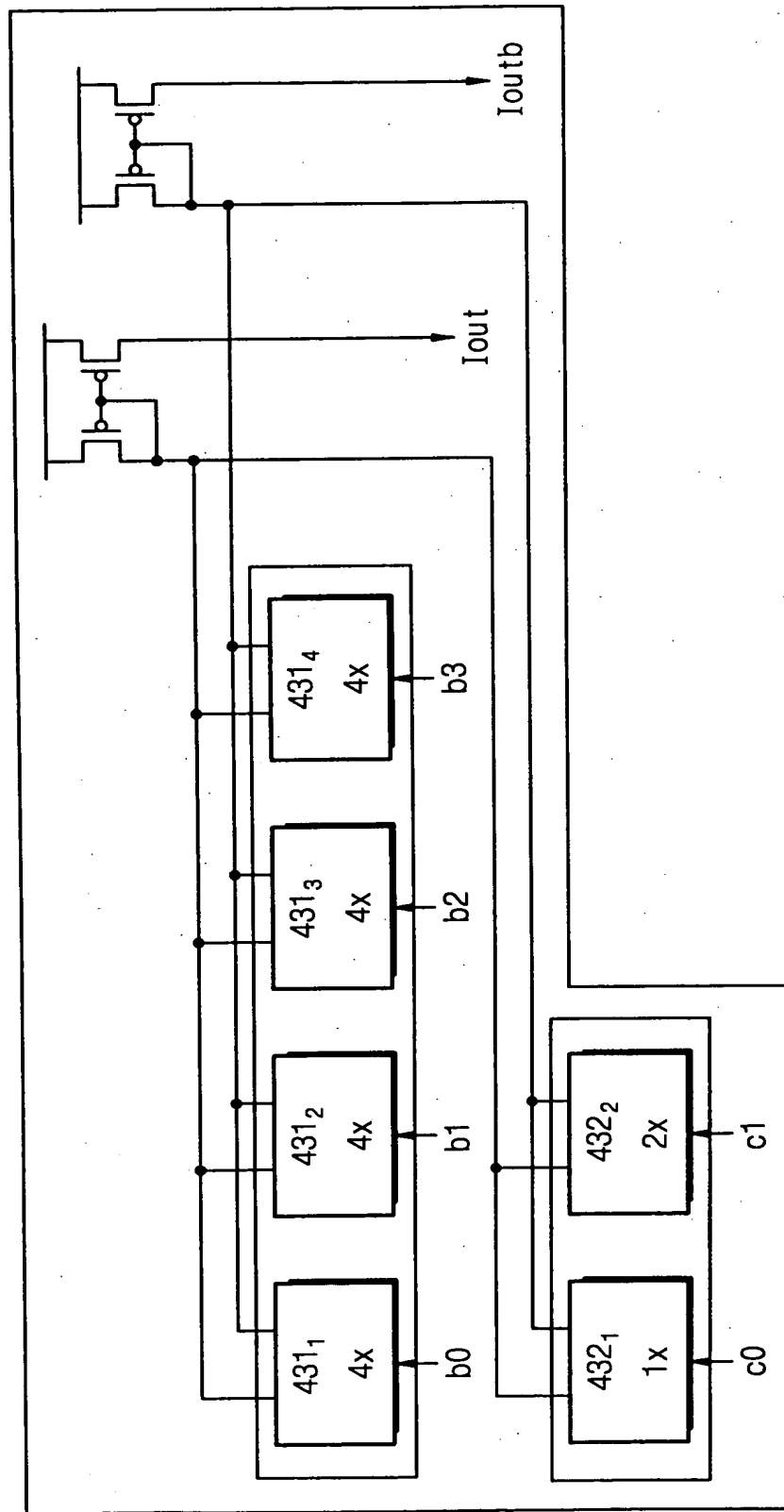


Fig. 5

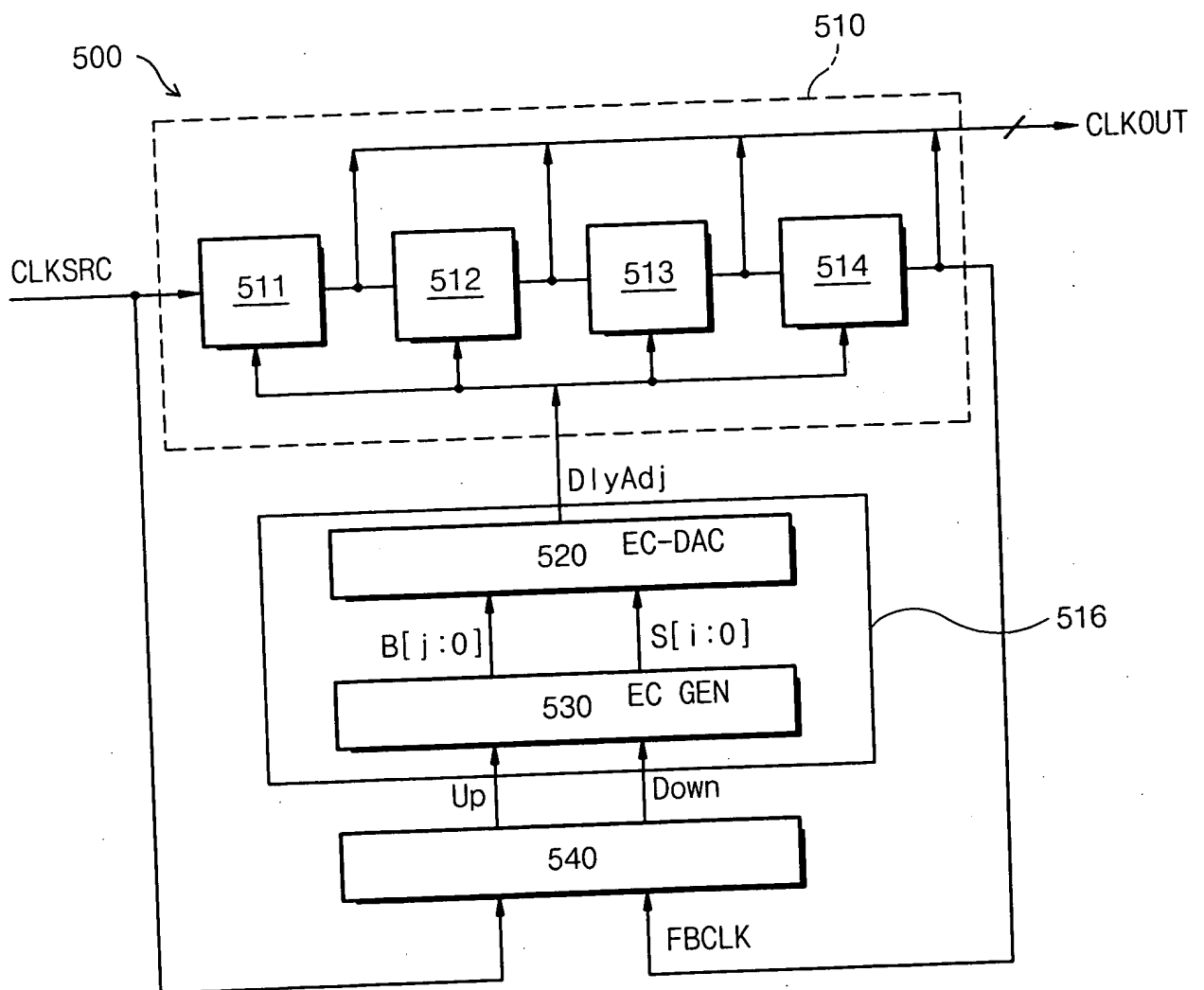


Fig. 6A

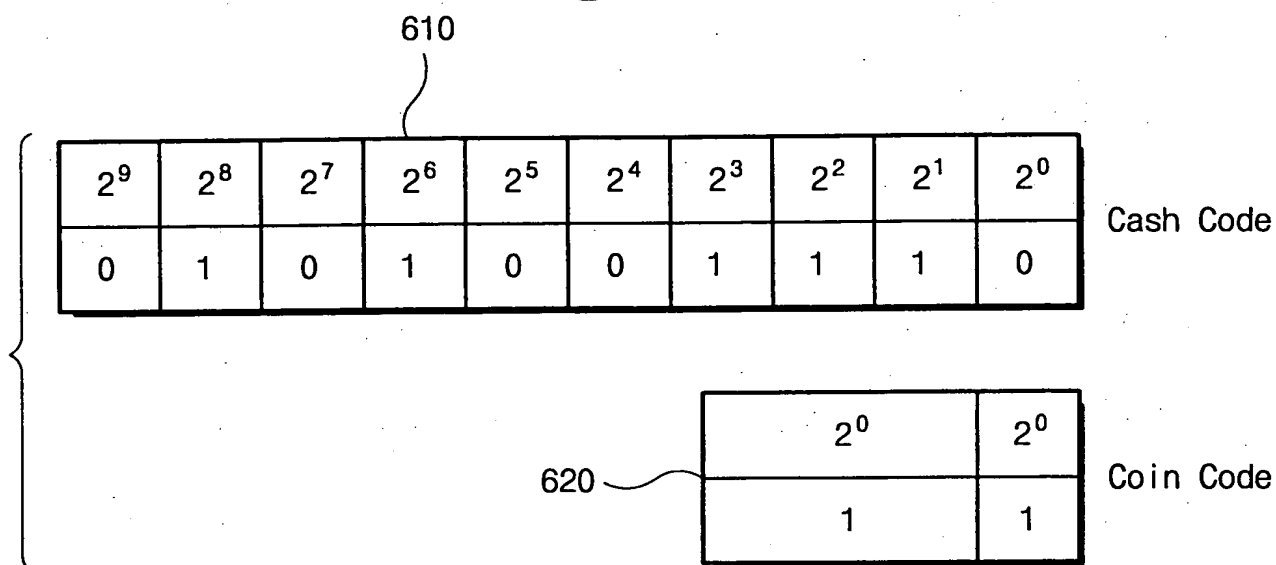


Fig. 6B

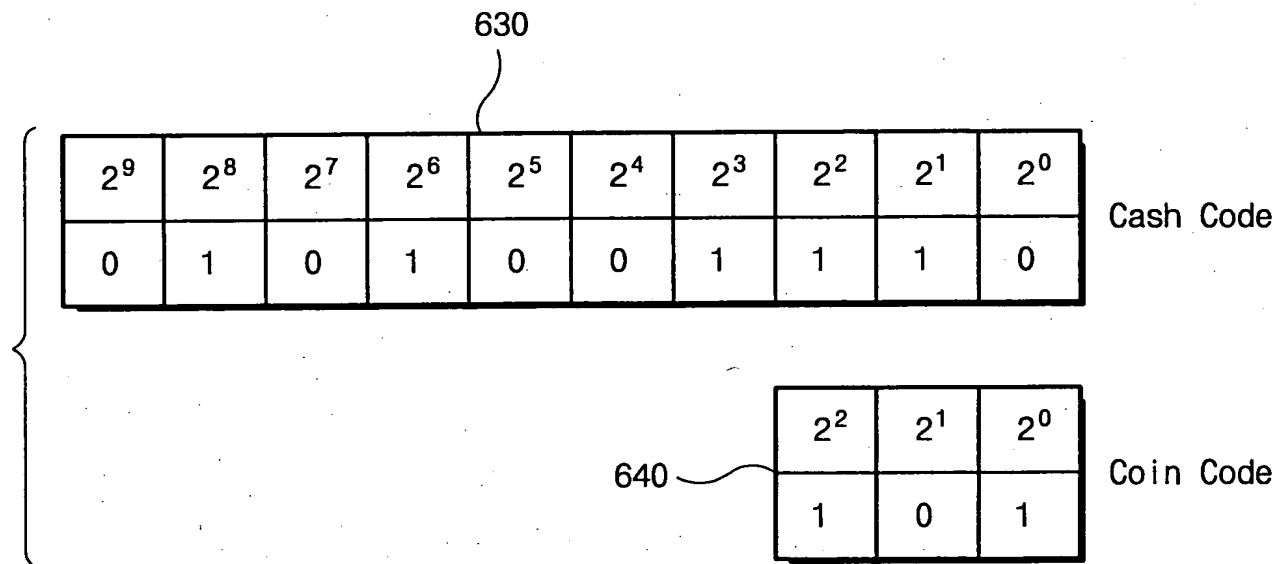


Fig. 6C

$$32_{10} = 011110[32] + 00[0]$$

$$32_{10} = 011100[30] + 11[2]$$

$$32_{10} = 011101[31] + 01[1]$$

Cash Code

Coin Code

Fig. 7A

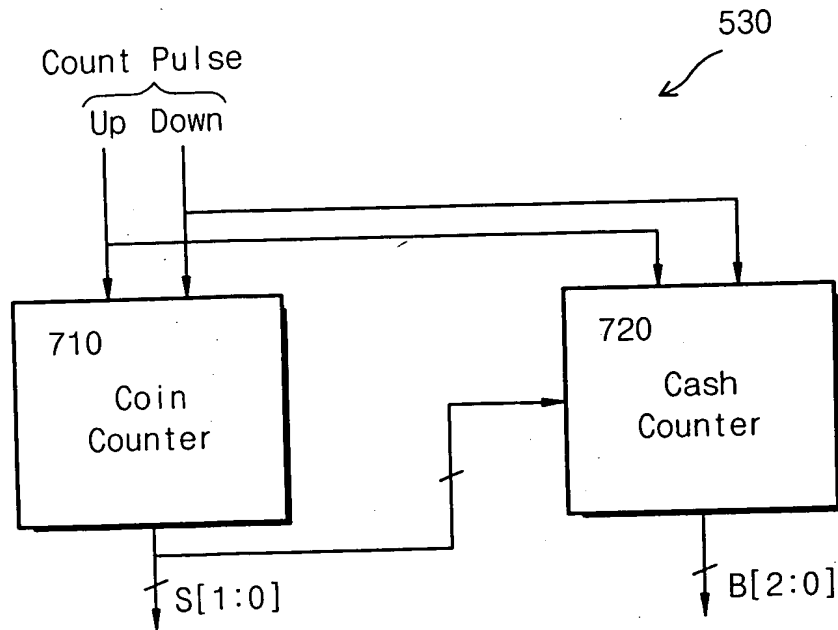


Fig. 7B

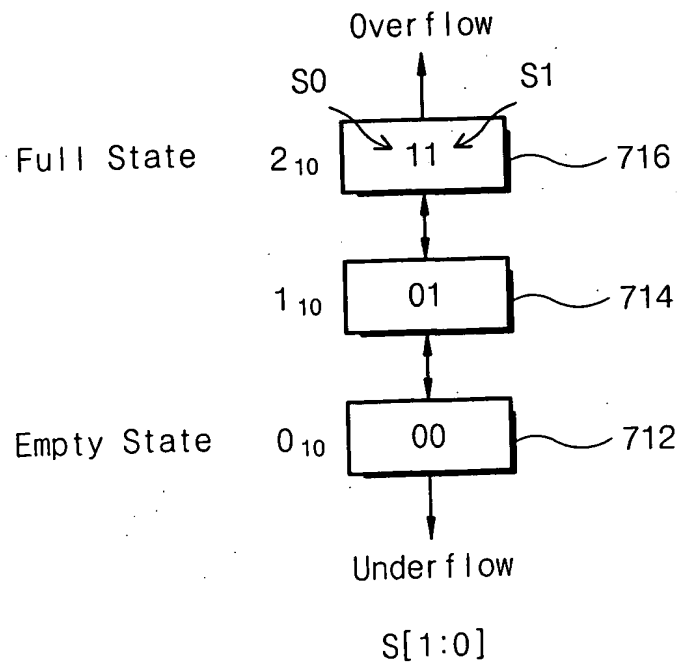


Fig. 7D

DEC	$1_{10} 1_{10}$	64_{10}	32_{10}	16_{10}	8_{10}	4_{10}	2_{10}	1_{10}
		2^6	2^5	2^4	2^3	2^2	2^1	2^0
		B6	B5	B4	B3	B2	B1	B0
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
31	01	0	0	1	1	1	1	0
32	11	0	0	1	1	1	1	0
33	11	0	0	1	1	1	1	1
34	11	0	1	0	0	0	0	0
33	01	0	1	0	0	0	0	0
32	00	0	1	0	0	0	0	0
33	01	0	1	0	0	0	0	0
34	11	0	1	0	0	0	0	0
33	01	1	0	1	0	0	0	0

730
731
732
734
736
738
740

Fig. 7C

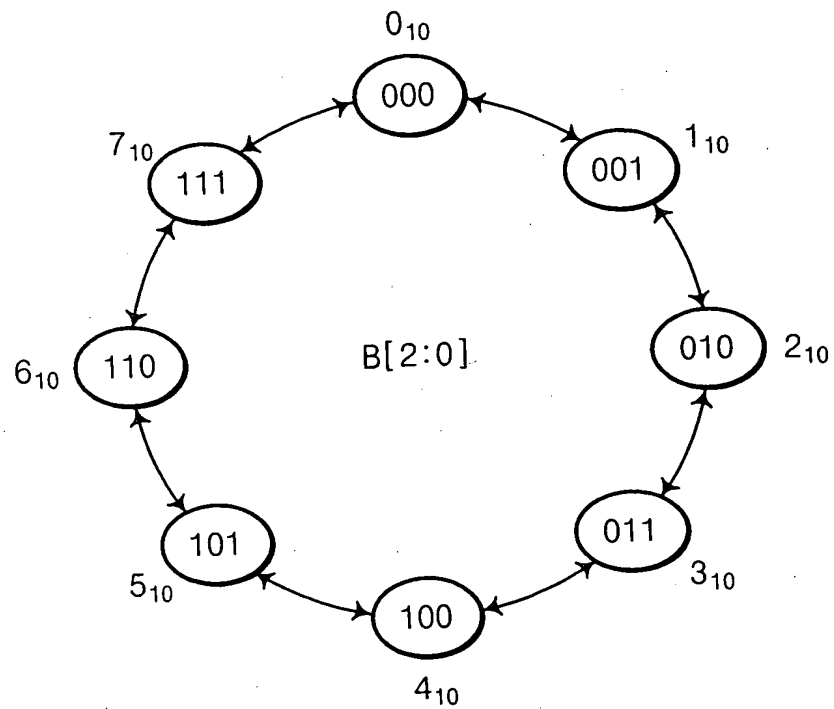
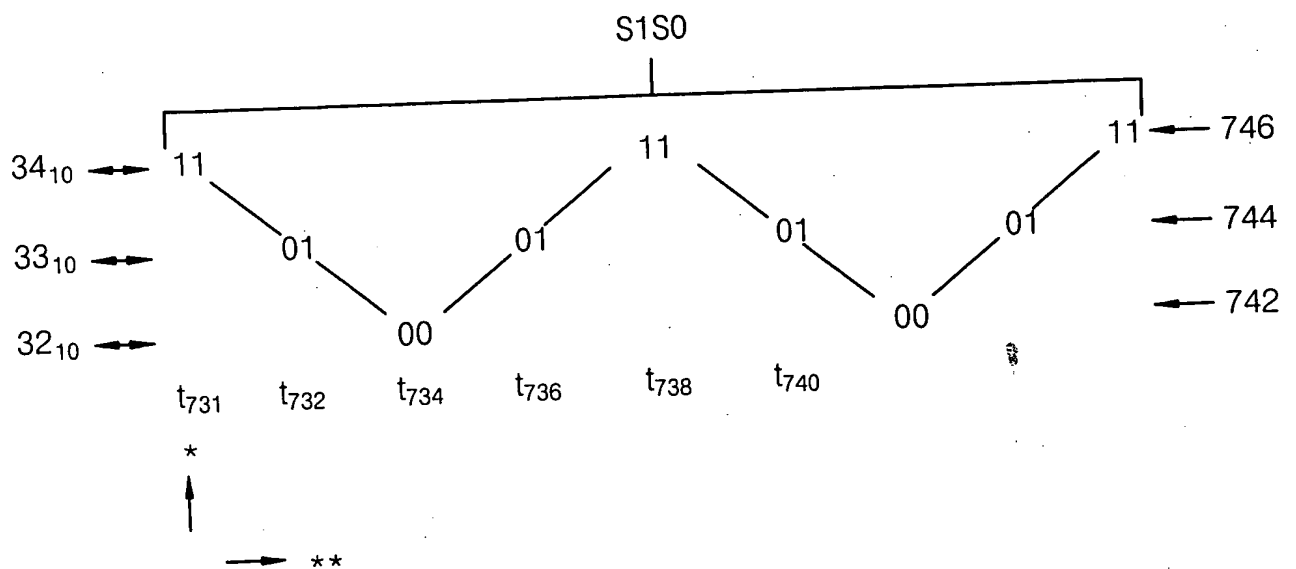


Fig. 7E



* Coin Code Magnitude

** Time, t

Fig. 8

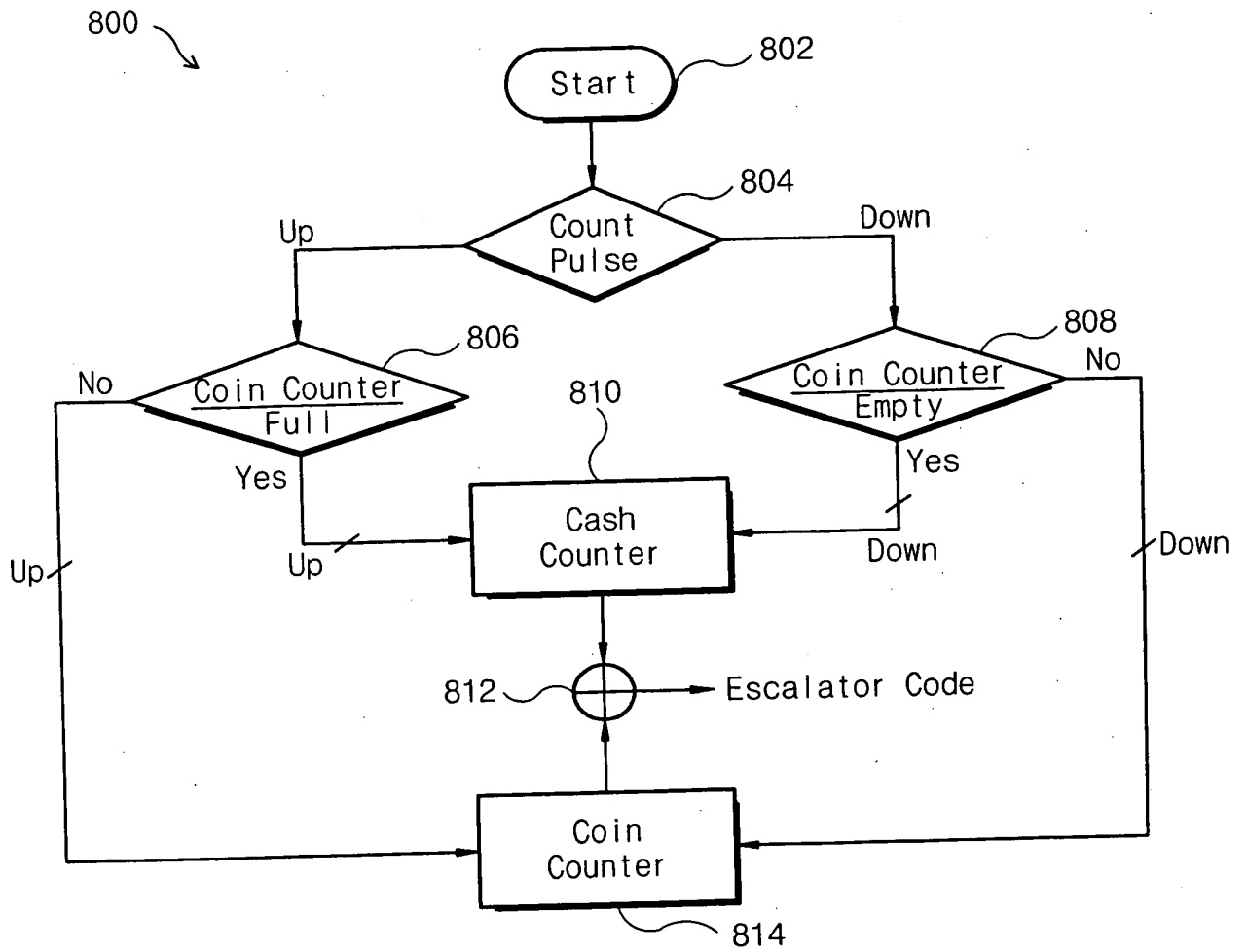


Fig. 9

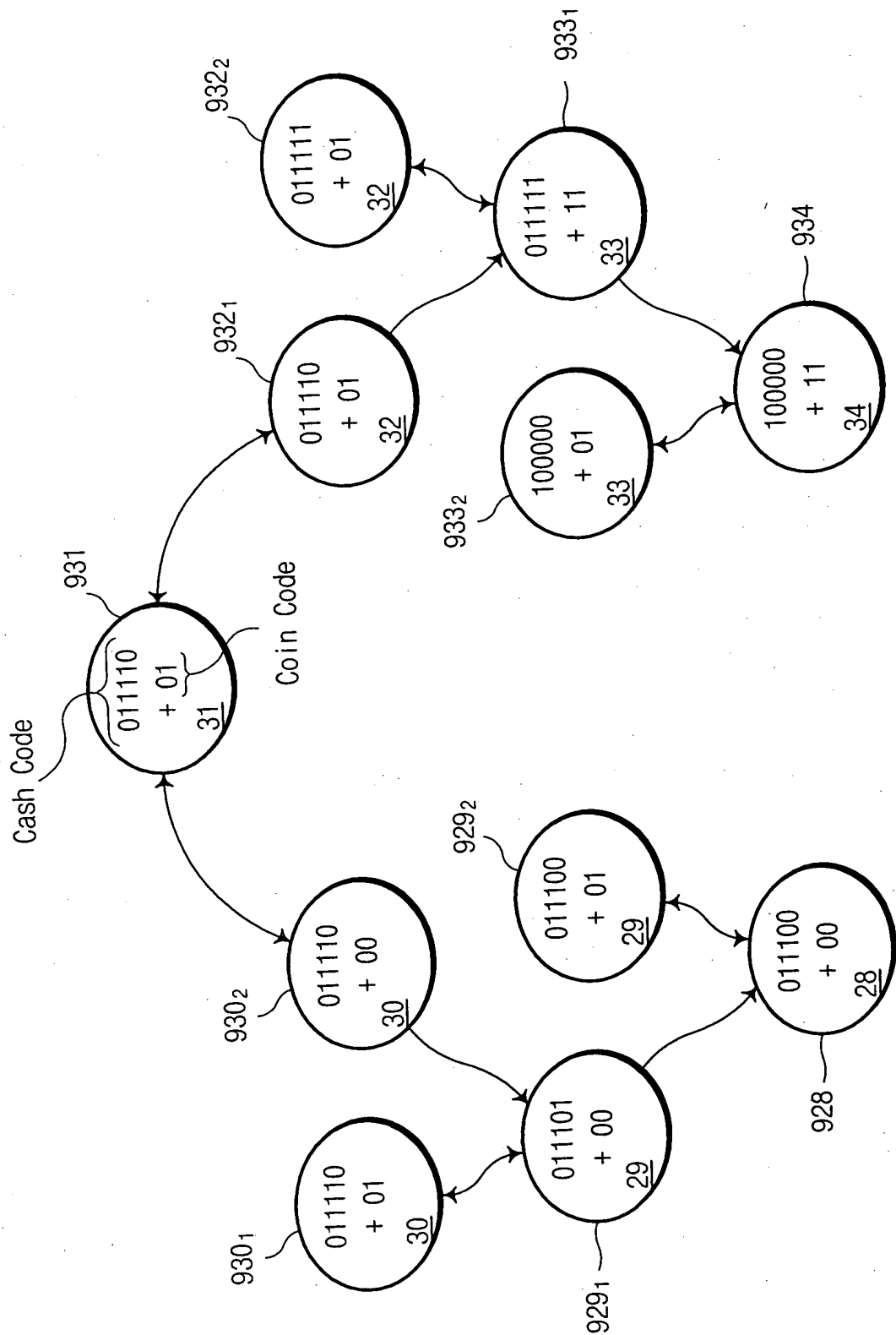


Fig. 10

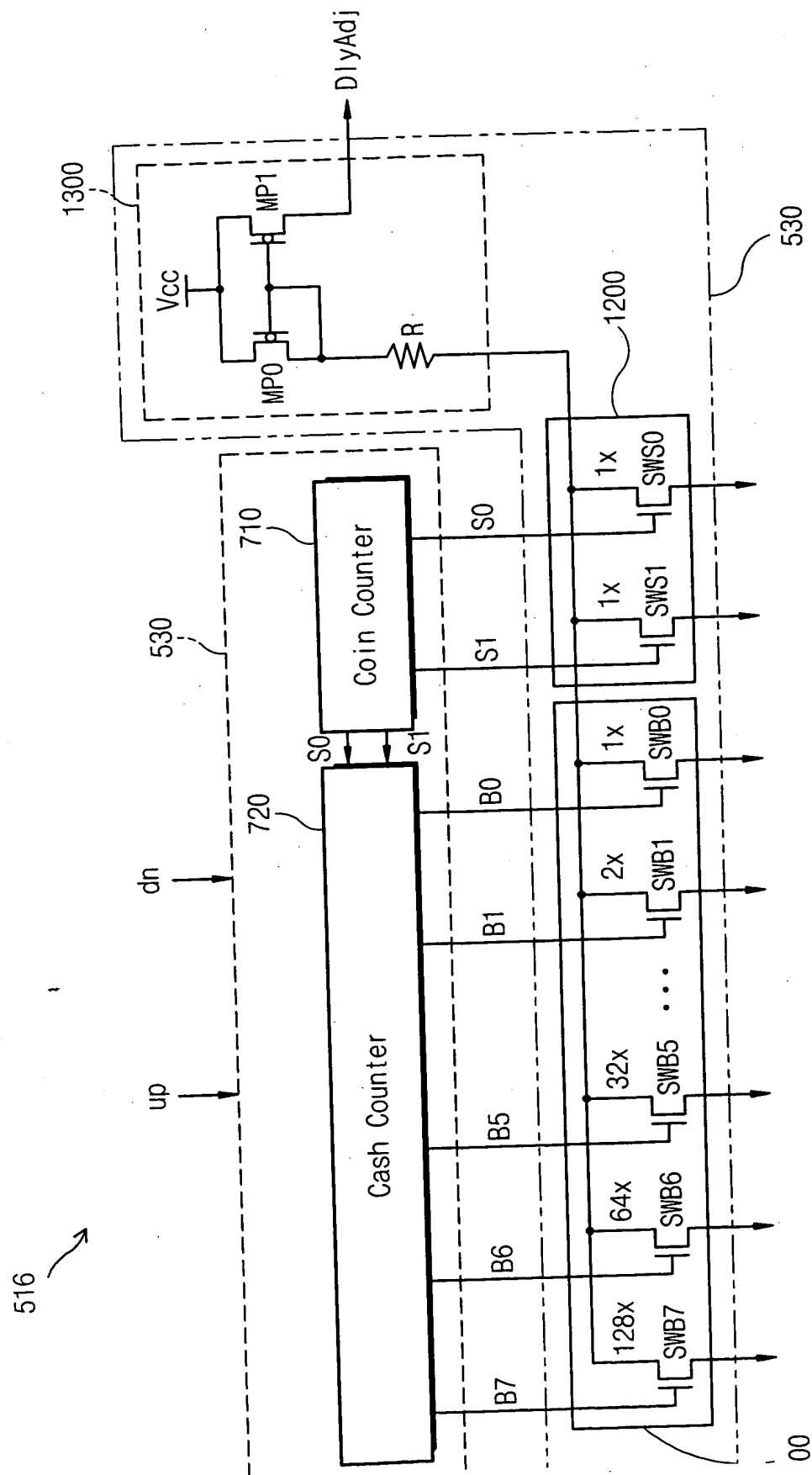


Fig. 11A

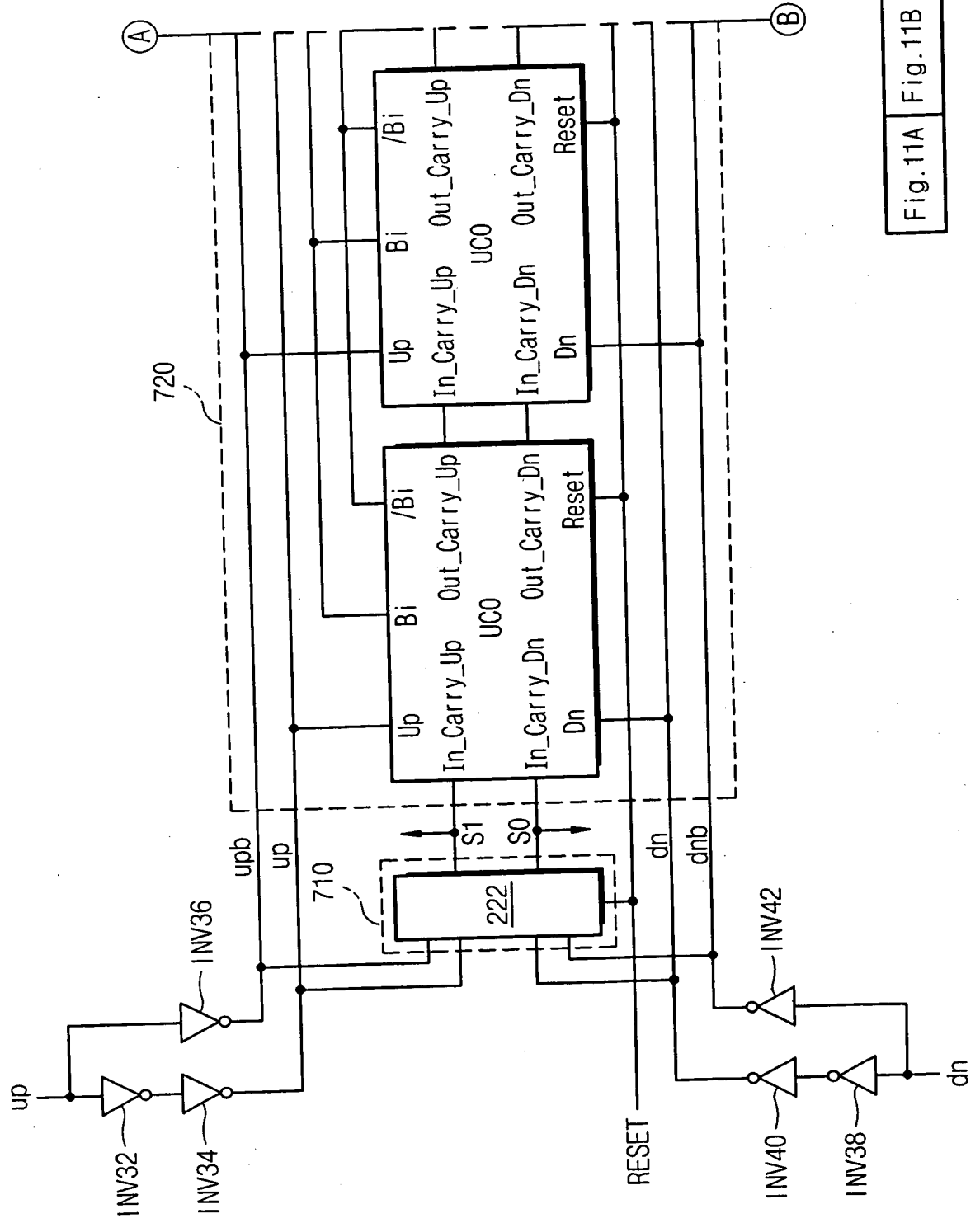


Fig. 11A Fig. 11B

Fig. 11B

220

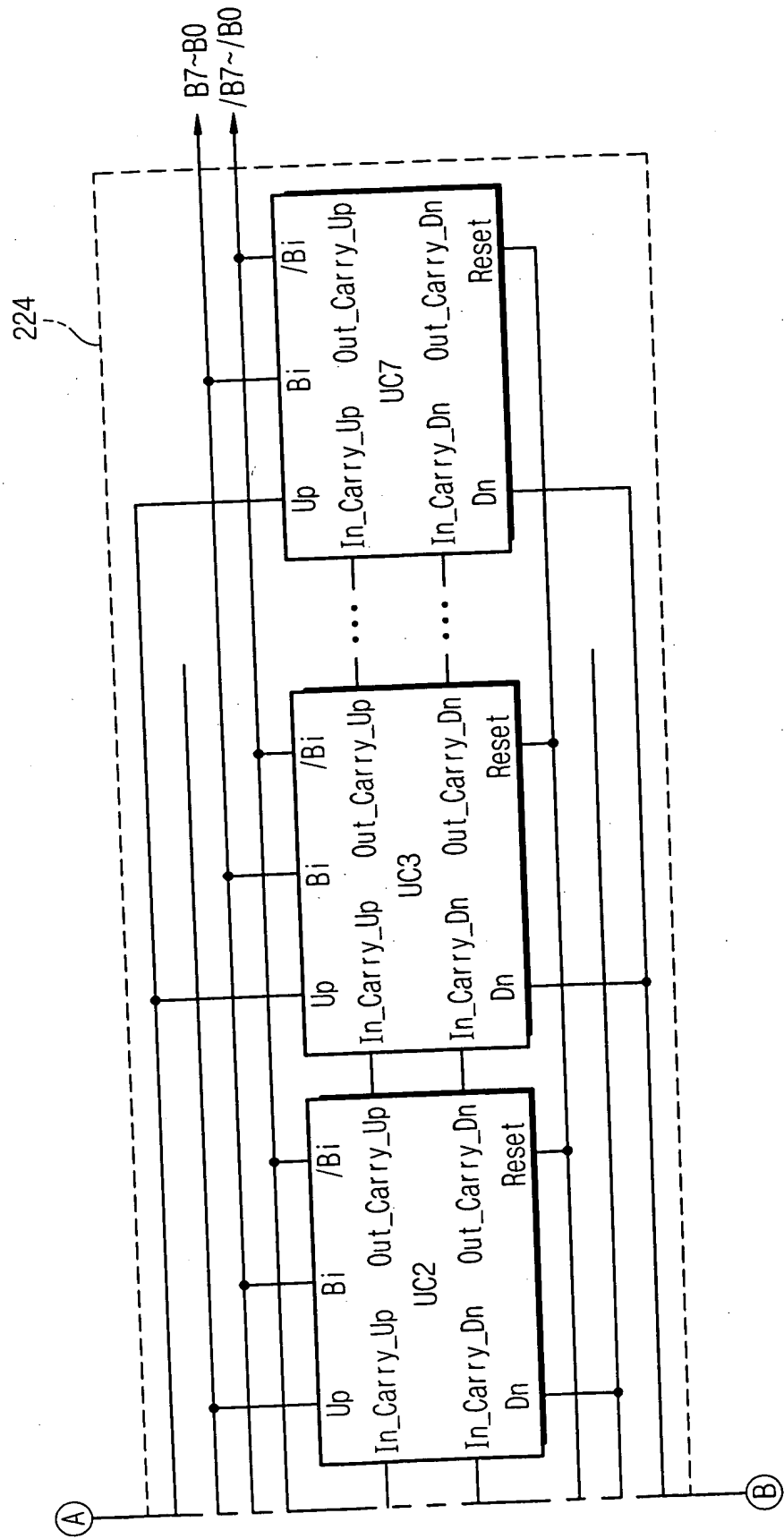


Fig. 12

222

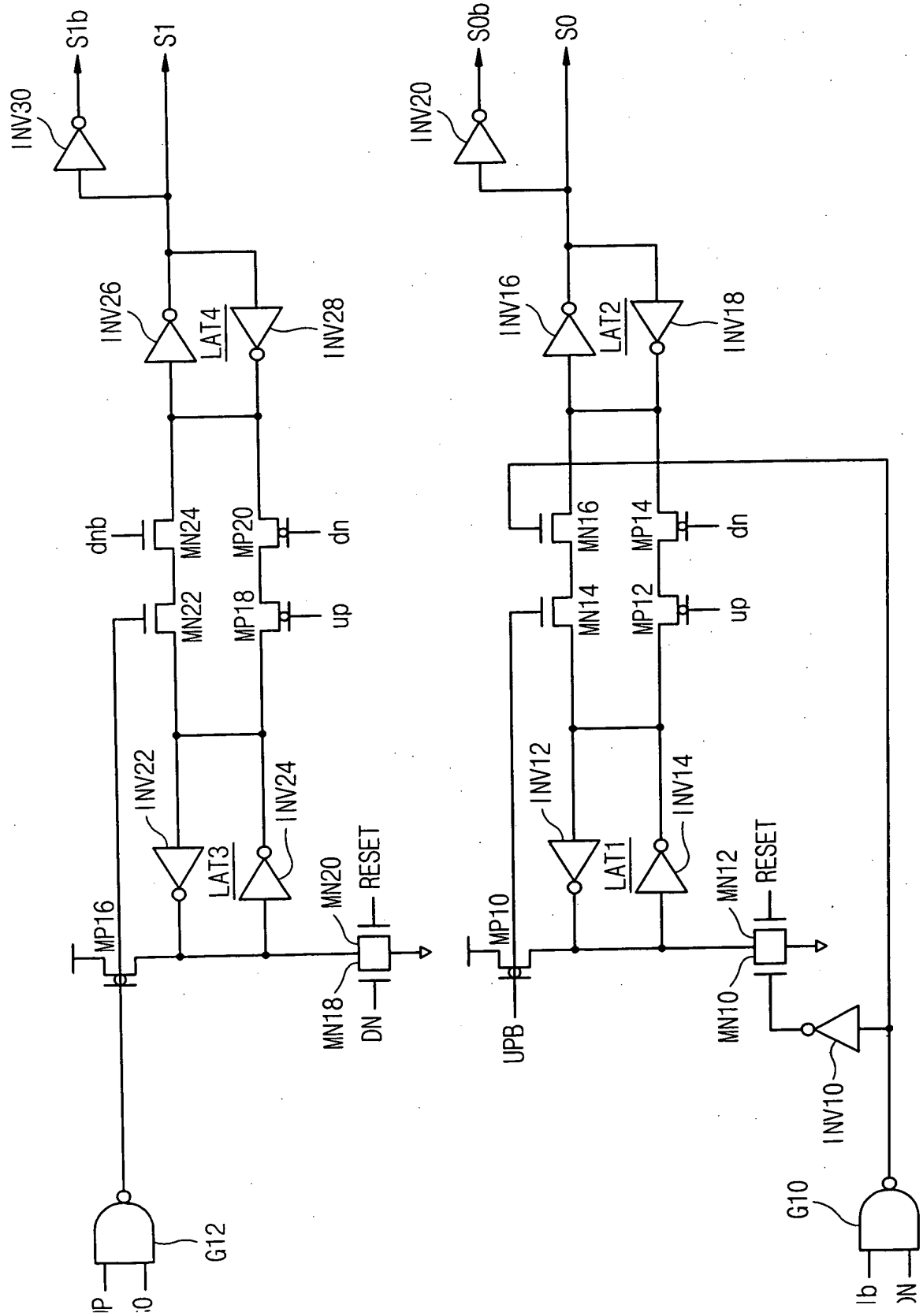
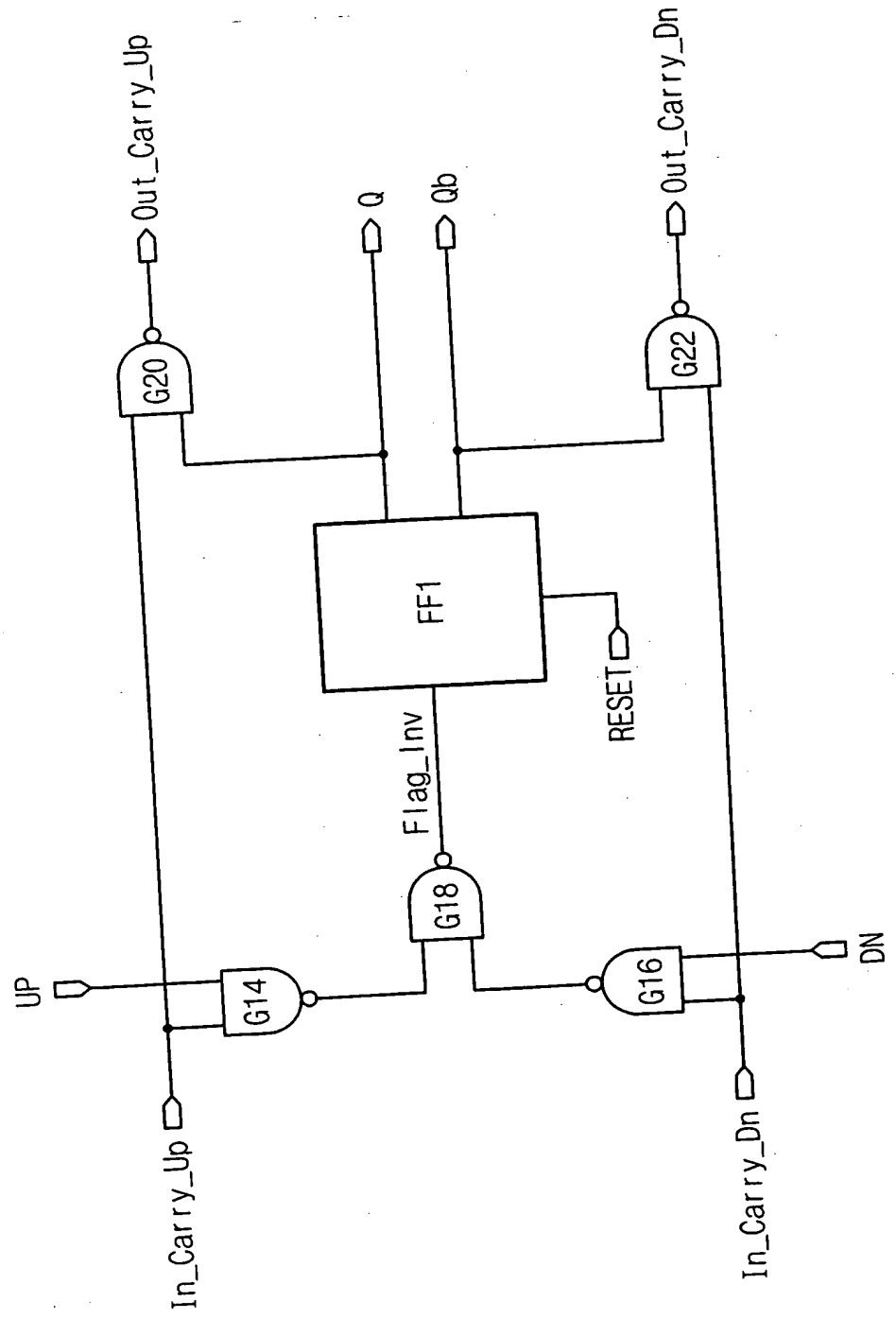


Fig. 13

$\underline{UC_i} \ (i=0,2,4,6)$



FF1

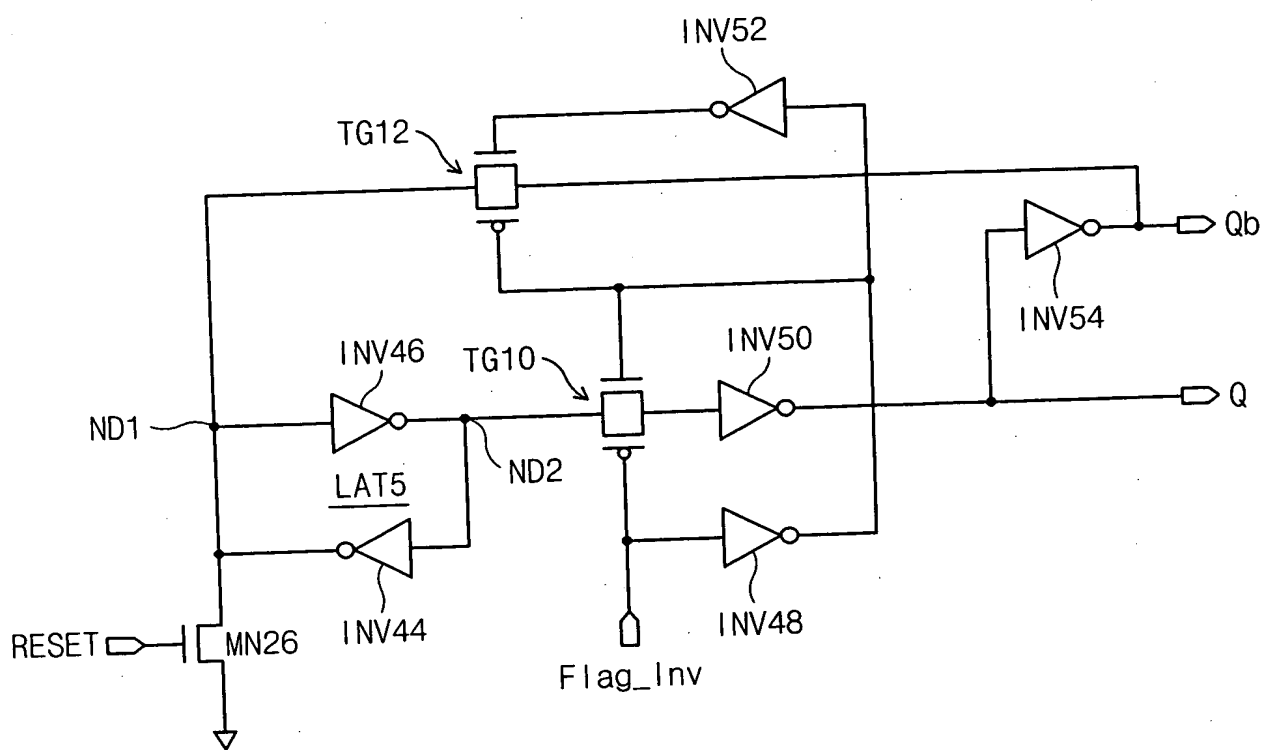


Fig. 15

UCj (j=1,3;5,7)

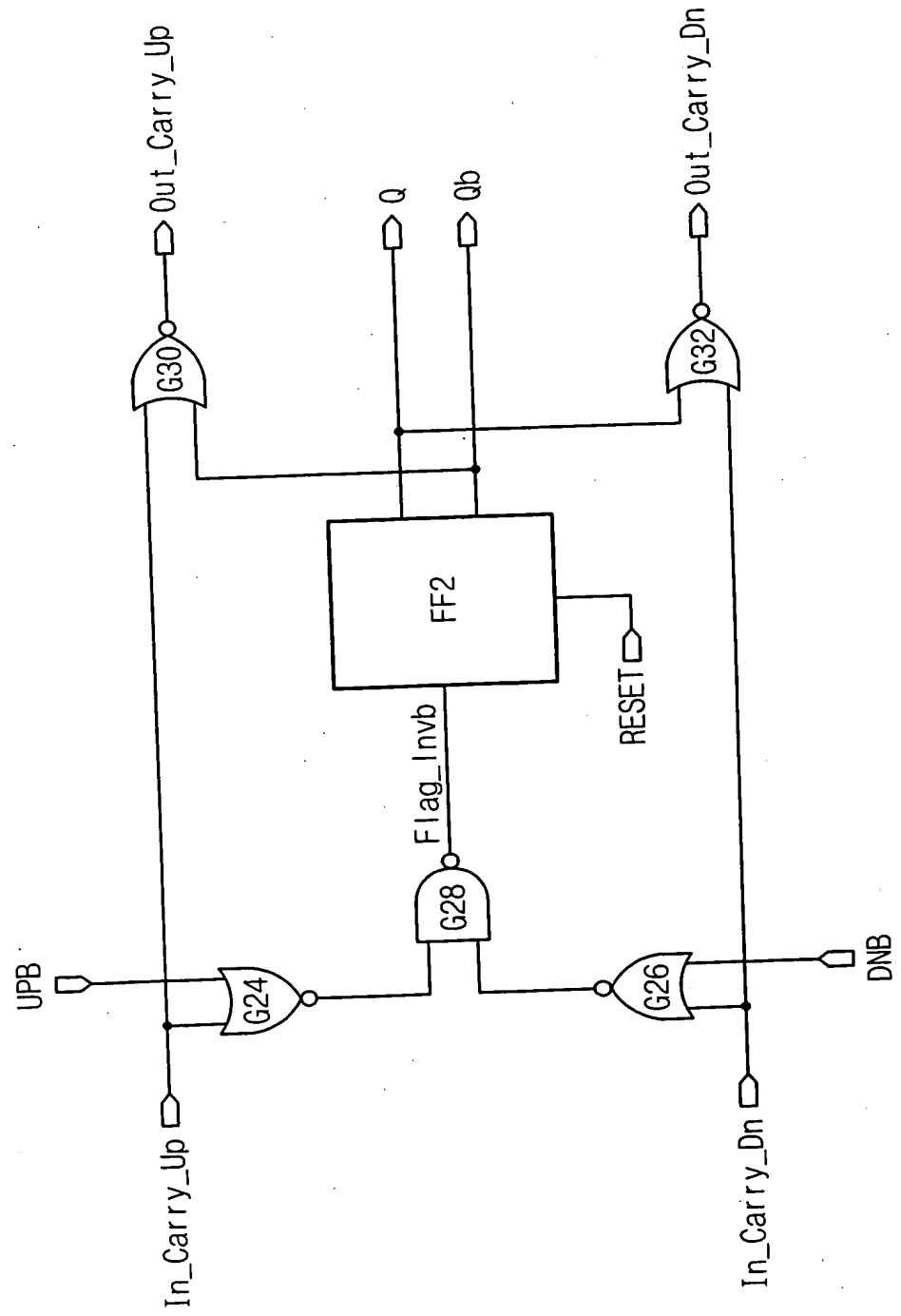


Fig. 16

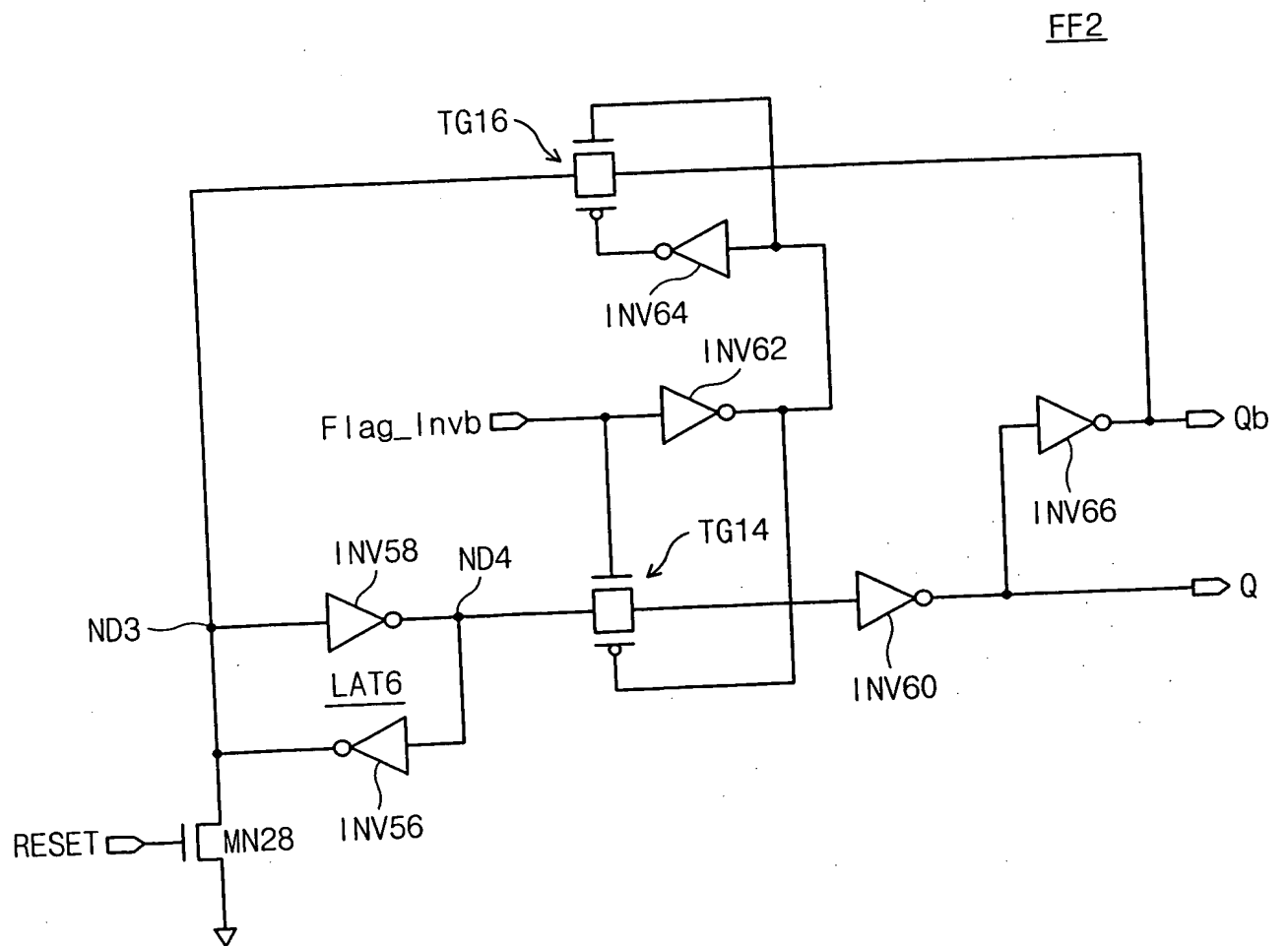


Fig. 17

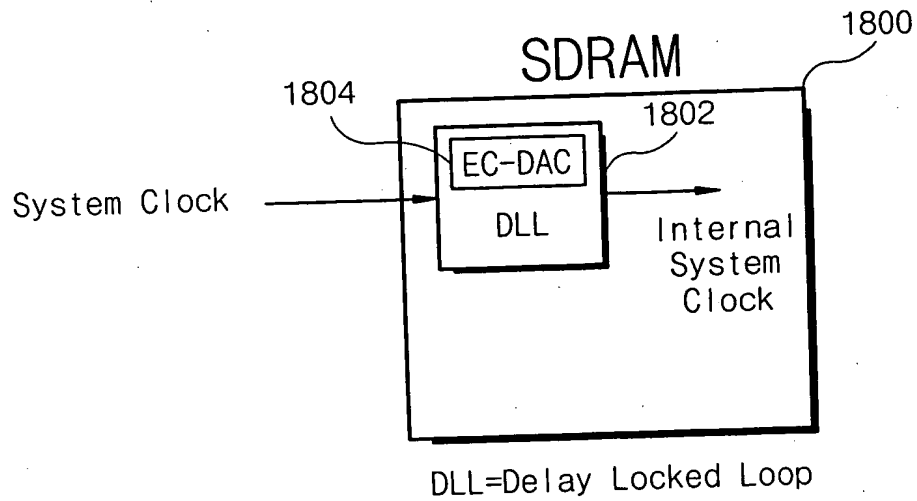


Fig. 18

